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ABSTRACT

The present invention has an objective of realizing compatibility of an optical disk having a high resolution video signal recorded thereon and a system for reproducing the optical disk, with a conventional system for producing a standard resolution video signal. A high resolution video signal is divided by video division means into a main signal and a sub signal, and the main signal and the sub signal are MPEG-encoded. The stream of the main signal and the stream of the sub signal are divided into 1 GOP or more of frames. First interleave blocks 54 each including 1 GOP or more of the stream of the main signal and second interleave blocks 55 each including 1 GOP or more of the stream of the sub signal are recorded on an optical disk 1. A high resolution reproduction apparatus reproduces both the first and second interleave blocks to obtain a high resolution video output. A non-high quality picture reproduction apparatus reproduces only the first or second interleave blocks to obtain a standard resolution video output.